

COMMUNICATION SYSTEM WITH  
FLOATING CALL ANCHOR

ABSTRACT OF THE DISCLOSURE

5 A floating call anchor is used to improve the  
efficiency of utilization of wireless and backhaul  
resources in cellular communication systems. For  
conditions under which soft handoff can be effectively  
used to conserve wireless resources, data transmitted  
from a first mobile unit (MU) via a wireless signal are  
received by one or more base transceiver stations (BTSS)  
and sent to a base station controller (BSC) or other  
10 device remote from the BTSS. The data are then sent from  
the remote device to the BTS(s) transmitting data to a  
second MU. If the two MUs engaged in communication are  
within the same cell or adjacent cells, and the savings  
of backhaul resources outweighs the additional wireless  
15 resource costs associated with performing the call anchor  
function at a BTS, then a single BTS is used to  
communicate with both MUs. This single BTS performs the  
call anchor function.